

Rabbit CHRNB4 Polyclonal Antibody | anti-CHRNB4 antibody

CHRNB4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328068	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

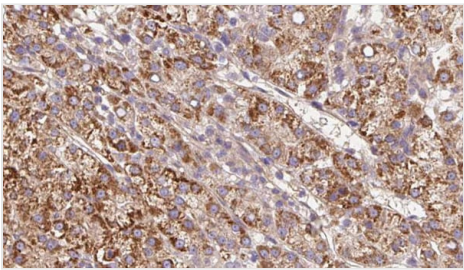
PRODUCT SYNONYMS

CHRNB4; Polyclonal Antibody; CHRNB4 Antibody; acetylcholine receptor; nicotinic; beta 4 (neuronal); ACHB4_HUMAN; AChR; Cholinergic receptor nicotinic beta 4; Cholinergic receptor nicotinic beta polypeptide 4; cholinergic receptor; beta polypeptide 4; Chrn4; Neuronal acetylcholine receptor subunit beta-4; Neuronal nicotinic receptor beta 4 subunit; anti-CHRNB4 antibody

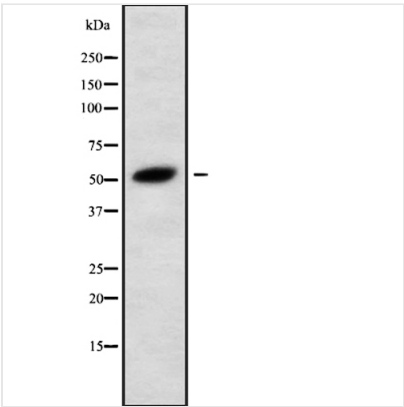
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHRNB4 antibody detects endogenous levels of total CHRNB4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	498
Applicable Applications for anti-CHRNB4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHRNB4
Subcellular Location	Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328068 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CHRNA4 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CHRNA4 antibody	Function: After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. Subunit Structure: Neuronal AChR is composed of two different types of subunits: alpha and beta. Beta-4 subunit can be combined to alpha-2, alpha-3 or alpha-4 to give rise to functional receptors. Interacts with RIC3; which is required for proper folding and assembly (PubMed:16120769). Interacts with LYPD6 (PubMed:27344019). The pentamer alpha3-beta-4 interacts with the conotoxin BuIA (By similarity). The heteropentamer composed of alpha-3 and beta-4 subunits interacts with the alpha-conotoxin ImI (PubMed:15609996). Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Acetylcholine receptor (TC 1.A.9.1) subfamily. Beta-4/CHRNA4 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502837
NCBI GeneID	1143
NCBI Accession #	NP_000741.1
NCBI GenBank Nucleotide #	NM_000750.4
UniProt Accession #	P30926; Q16607; Q4VBA5; Q8WXC8; Q9BQR4; A4FTX5; E9PHE8
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	neuronal acetylcholine receptor subunit beta-4 isoform 1
NCBI Official Synonym Full Names	cholinergic receptor nicotinic beta 4 subunit
NCBI Official Symbol	CHRNA4
NCBI Protein Information	neuronal acetylcholine receptor subunit beta-4
UniProt Protein Name	Neuronal acetylcholine receptor subunit beta-4
UniProt Gene Name	CHRNA4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.